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**REVISED REMEDIAL INVESTIGATION (RI)
WORK PLAN ADDENDUM - BORING
ADJACENT TO COAL PILE BASIN**

DOE-FSO/USEPA

DOE-1391-91

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ADDENDUM



Department of Energy

Fernald Site Office
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MAY 28 1991

DOE-1391-91

Ms. Catherine A. McCord
Remedial Project Director
U. S. Environmental Protection Agency
Region V - 5HR-12
230 South Dearborn Street
Chicago, IL 60604

Dear Ms. McCord:

REVISED REMEDIAL INVESTIGATION (RI) WORK PLAN ADDENDUM - BORING ADJACENT TO COAL PILE BASIN

- References:
- 1) Letter, C. A. McCord to J. R. Craig, "OU3 Coal Pile Basin U. S. DOE - Fernald OH6 890 008 976," dated April 29, 1991
 - 2) Letter, DOE-921-91, J. R. Craig to C. A. McCord, "Addendum to Remedial Investigation (RI) Work Plan - Borings Adjacent to Coal Pile Basin," dated March 12, 1991

This letter responds to your letter of April 29, 1991 (Reference 1) concerning U. S. EPA's disapproval (Reference 2) of a RI Work Plan addendum describing a proposal to install two borings/piezometers adjacent to the coal pile run-off control basin.

Several requirements for monitoring the runoff collection basin that serves the coal pile facility at the FMPC are included as conditions of the OEPA approved Permit to Install for the Coal Pile Runoff Control Facility. The application for the Permit To Install stated the following:

"Two groundwater monitoring wells, each extending to below the bottom of the basin, are to be installed alongside the basin. Each of these will consist of an 8" diameter boring extending to 9'-6" below the bottom of the basin with a 2" PVC riser pipe. The riser pipe will extend to 9 feet below the bottom of the basin. The bottom 10 feet of the riser pipe will consist of 2" diameter PVC screen with 0.010" openings. The deepest 10'-6" of the well is to be backfilled with sand, and the balance is to be backfilled with bentonite. These wells will be monitored quarterly for the following indicators of leaching from the Coal Pile Runoff Control Facility. The results of this monitoring program will be tabulated and included in the annual FMPC Environmental Monitoring Report (EMR).

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FERNALD'S MAIN PRIORITY IS CLEANUP

Ph
Conductivity
Chloride
Sulfate
Total Dissolved Solids

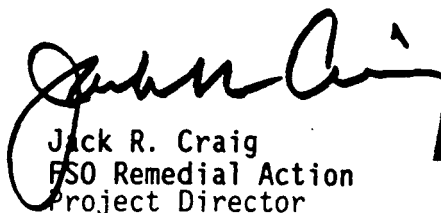
In addition to these parameters, total uranium will be monitored for inclusion in the EMR. A continuous level monitor with a strip chart recorder is to be installed to record the water level in the Coal Pile Runoff Control Facility. This instrumentation is part of a system for insuring that basin levels are maintained in accordance with the agreements concluded with the OEPA in the Consent Decree."

Installation of the monitoring wells and the level monitor was completed as stipulated by the Permit to Install and was accomplished utilizing RI/FS Remedial Investigation Facility Testing Program protocols and procedures. Utilization of RI/FS procedures and protocols resulted in the substitution of the PVC riser with 316 stainless steel riser.

Since these monitoring wells were being installed in the vicinity of other borings north of the Maintenance Building (Building 12) which indicated the presence of HSL contaminants, additional sampling to RI/FS QAPP protocols for HSL contaminants was performed while these monitoring wells were being installed. FSO anticipates incorporating the data from these wells in the development of the RI/FS and therefore, has submitted an addendum to the RI/FS Work Plan to address the installation and sampling of these wells

If you have any questions, please contact either Robert Janke at FTS 774-6883 or myself at FTS 774-6159.

Sincerely,



Jack R. Craig
FSO Remedial Action
Project Director

FSO:Janke

cc:

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